



Design Your School's New Innovation Space



Lawrence Bergie, Chief Operating Officer
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welcome!

A bit about Britta & Bud

Give Up, Catch Up, or Keep Up with Innovation? An Educator's Dilemma

...more presentations and
articles at

IMSA Digital Commons

What the heck is an innovation center and why are we doing it now?

Q: Who came today with a specific space to design?

optional tours...who is interested?

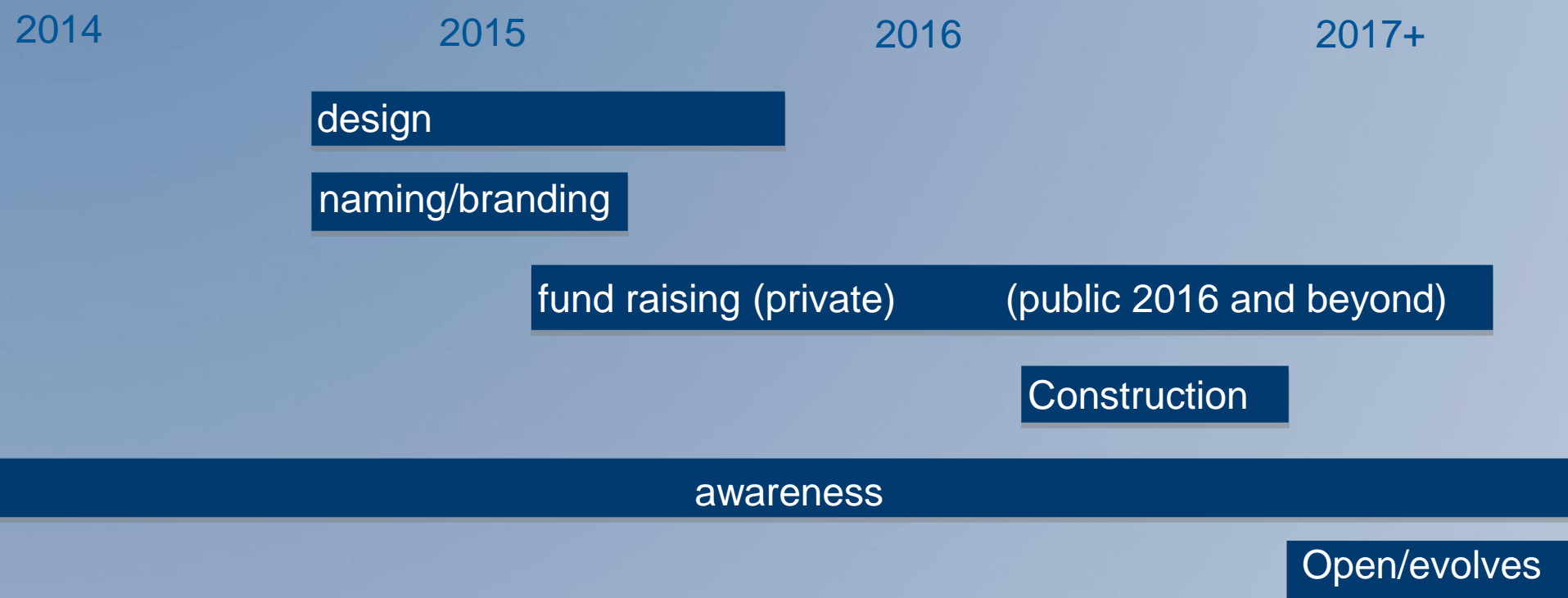
- IN1
- future IN2 space
- robotics lab
- Grainger workshop

where did we start?

1. PB&J Innovation Brown Bag lunch
2. IN2 Advisory Committee
3. Fieldtrips
4. Design Charrette
5. Intersessions (3)
6. Maker Squad
7. IN2 student advisory committee



develop a timeline



what came next?

8. Naming/Branding
9. Select architects
10. Design process
11. Naming/Branding
12. Programming
13. Fundraising
14. Job Descriptions and hiring
15. Roll out and prepare to open

seek inspiration



1871

Silicon Valley (Facebook, Twitter, Dropbox...)

State Farm Next Door (industry)

Chicago Public Library (Maker Space)

IIT Idea Lab

CIE – Chicago Innovation Exchange

MIT Media Lab (Boston)

Harvard Innovation Lab (Boston)

Northwestern Garage

Greentown Labs (Boston)

Artists' Asylum (Boston)

Purdue (Foundry & Anvil)

Chicago - DMDII

University of Illinois Research Park

Rockford & Peoria Innovation spaces

Silicon Valley



January, 2014
Co-Working spaces

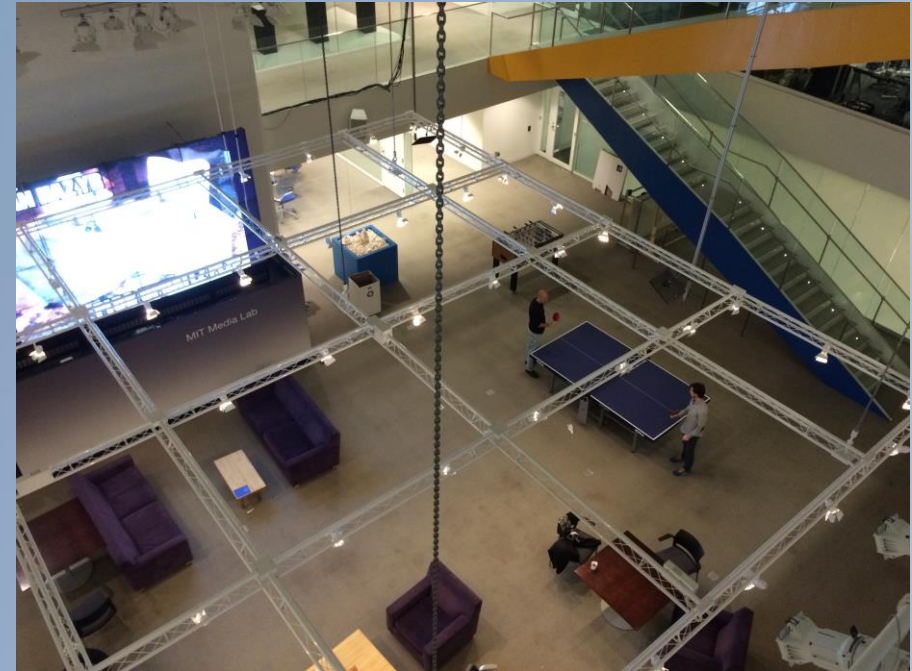
Silicon Valley



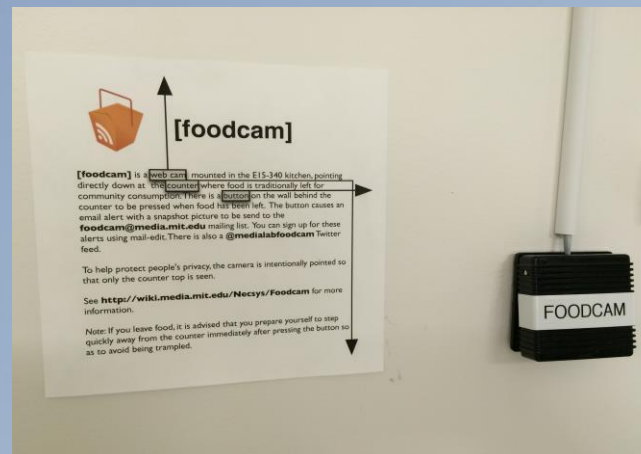
January, 2014
Avos
Exploratorium
Facebook



Boston MIT Media Lab



October 1, 2014



Harvard Innovation Lab...



October 1, 2014



more in Boston...



Oblong Industry



Greentown Labs



Artists' Asylum

Chicago



IIT Idea Lab

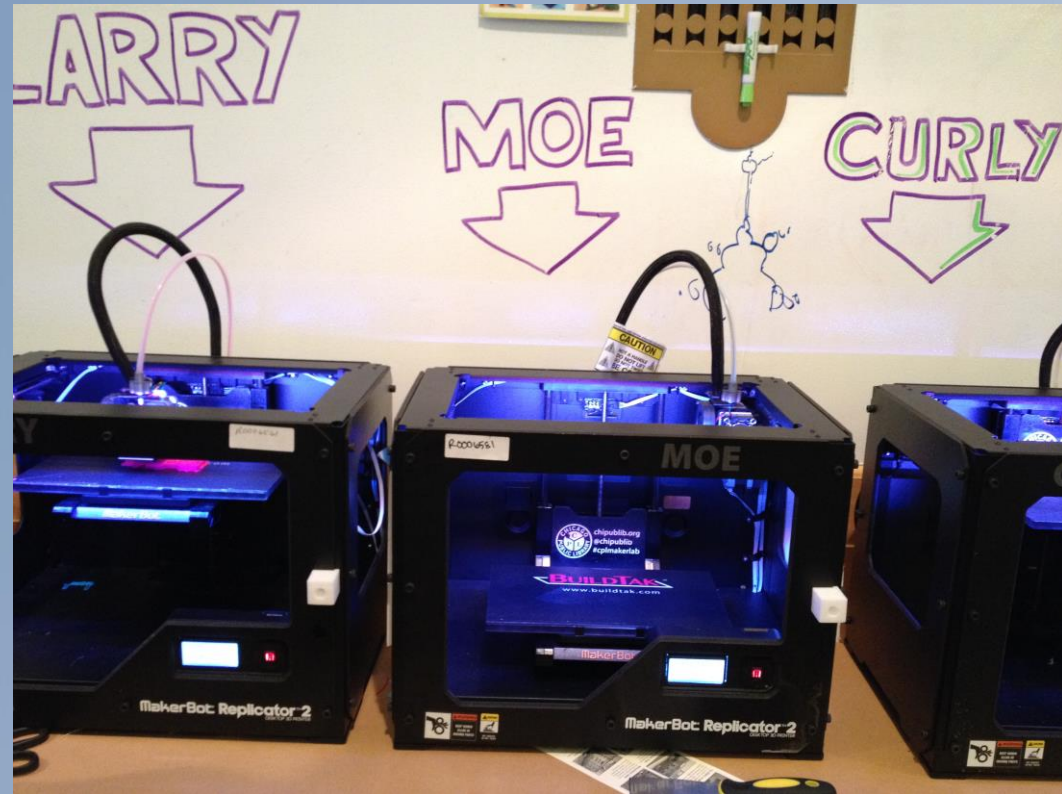


Northwestern



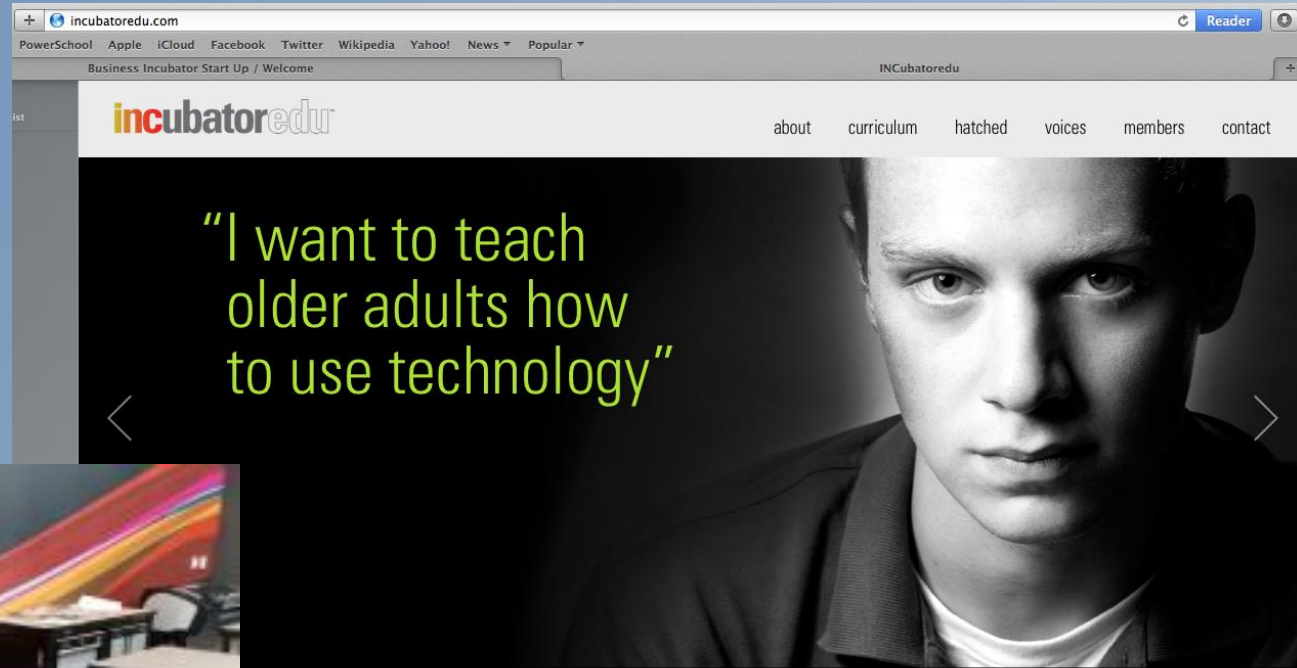
DMDII

Chicago



Chicago Public Library

Local



Business Incubator
Barrington High School

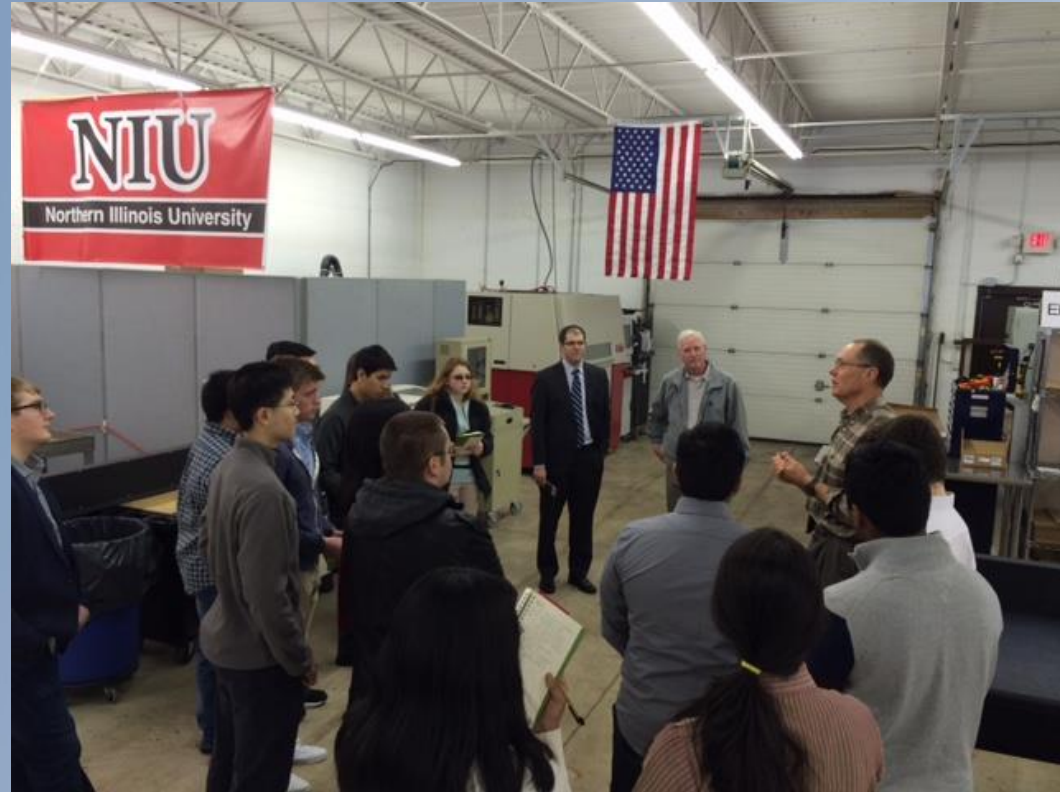
Aurora Public Library
Maker Space



Rockford, IL



Woodard Aerospace



NIU/EIGERlab

Peoria, IL



Caterpillar Visitor's Center



jumpsimulation

Urbana, IL

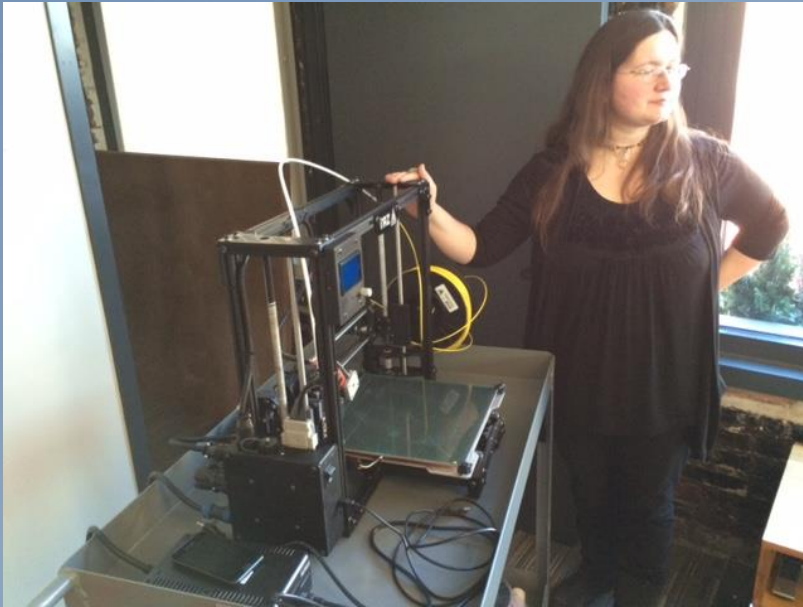


University of Illinois
EnterpriseWorks

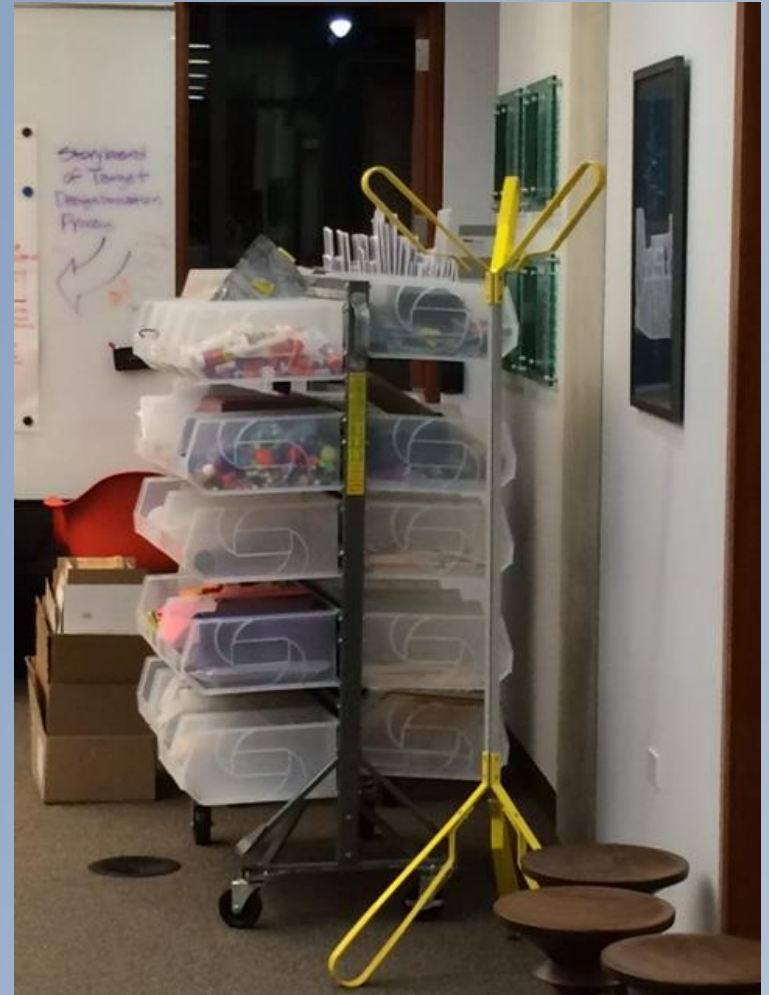


Bluewaters Petascale Computing

pick up ideas...



3-D printer on wheels

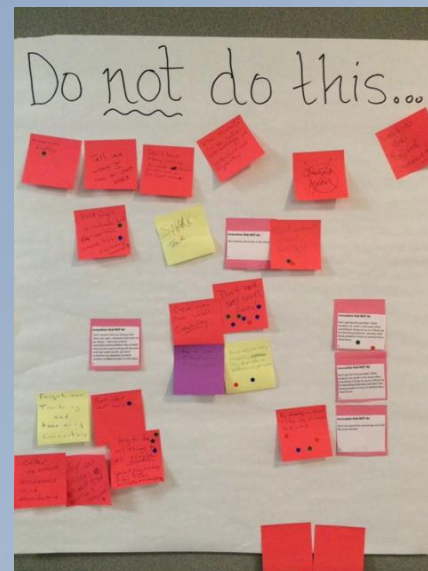


rapid prototyping cart

gain input



Design Charrette
August 24, 2014 (58 participants)



the story of IN2



Steve and Jamie Chen
Center for Innovation & Inquiry

“IN2” is a highly conceptual name that plays upon the idea of both innovation and inquiry—bridging businesses and the educational focus at IMSA. It also extends the current name assets at IMSA, metaphorically extending the mission.

It plays on the concept of bringing both innovation & inquiry into practice at IMSA and on the concept of what is put “into” the center to make things happen—ideas, intuition, exploration, knowledge, experimentation, etc.

It is short, memorable and easy to say. It leaves room for curiosity and play without having to explain too much.

The three lines composing the “2” represents the different journeys of students through time and the paths that come together at IMSA through innovative practices, inquisitive learning, and problem-solving processes.



3D walkthrough



IN1, prototype for IN2

1.0 A (former) computer lab was repurposed into the IMSA Energy Center – fall 2014

2.0 Launch of IN2 Innovation Hub planning heightened interest in Maker Movement. Maker Squad was formed Jan. 2015. Open maker hours have increased use and interest of the space for class, personal and club use

3.0 The TALENT entrepreneurship program moved IN2 this space spring of 2015; now we call it IN1, the prototype of IN2

short break

Restrooms are straight back, then to the right

See you back here in a few...

What is an innovation space?

Why do we want to make things?

design thinking

HOW MIGHT WE...



CURRICULUM

*get students
excited about
environmental
sustainability?*



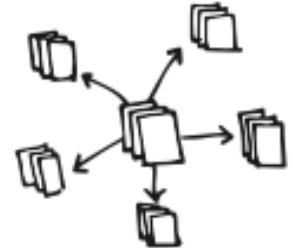
SPACES

*reimagine learning
spaces to be more
collaborative?*



PROCESSES AND TOOLS

*redesign the school
day to better meet
the needs of today's
families?*



SYSTEMS

*connect our school
more with the
neighborhood
community?*

Design Thinking is a mindset. It's human-centered, collaborative, optimistic and experimental.

The Teachers Guild – How might we create rituals and routines that establish a culture of innovation in our classrooms and schools? – Reflect

https://teachersguild.org/challenge/how-might-we-create-rituals-and-routines-that-establish-a-culture-of-innovation-in-our-classrooms-and-schools/stories

ool Apple iCloud Facebook Twitter Wikipedia Yahoo! News Popular

the TEACHERS GUILD BETA

COLLABORATE HOW IT WORKS TEACHER STORIES DIY ABOUT

How might we create rituals and routines that establish a culture of innovation in our classrooms and schools?

DISCOVER	IDEATE	EVOLVE	SELECT	FAVORITES	REFLECT
210 contributions	121 ideas	51 final ideas	51 final ideas	Announced!	Ongoing

Teachersguild.org



work time

Key questions...

Who is your target audience?

What do you want to make?

What are your design constraints?

reflection

next steps

wrap up

online resources

- ❑ All Things Tech <http://www.engadget.com/>
- ❑ 3D Printing Industry Resource <http://3dprintingindustry.com/>
- ❑ NASA Summer of Innovation Site
http://www.nasa.gov/offices/education/programs/national/summer/education_resources/#.Vqu7GbIrJaQ
- ❑ Open Education Consortium <http://www.oecconsortium.org/2015/12/new-oecd-publication-open-educational-resources-a-catalyst-for-innovation/>
- ❑ Innovation in Community College <http://www.league.org/>
- ❑ National Consortium for Entrepreneurship Education <http://www.entre-ed.org/>
- ❑ Teachers Network for Teaching Entrepreneurship <http://www.nfteconnect.org/>
- ❑ Autodesk <http://www.autodesk.com/>
- ❑ Solidworks <http://www.solidworks.com/>
- ❑ Rhino 3D <http://www.rhino3d.com/>
- ❑ Blender <http://www.blender.org/>
- ❑ TinkerCad <https://www.tinkercad.com/>
- ❑ FreeCad <http://www.freecadweb.org/>
- ❑ Sketchup <http://www.sketchup.com/>
- ❑ Slic3r <http://slic3r.org/>

lessons from Sylvia...



1. Baby Steps
2. Cheap is Good
3. Failure happens
4. Be the student
5. Don't sweat the small stuff



PHEASANT

Join IN2 on social media...



IN2IMSA



IN2 (Group page)



IN2 (group)



imsa.edu/in2



thank you!

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